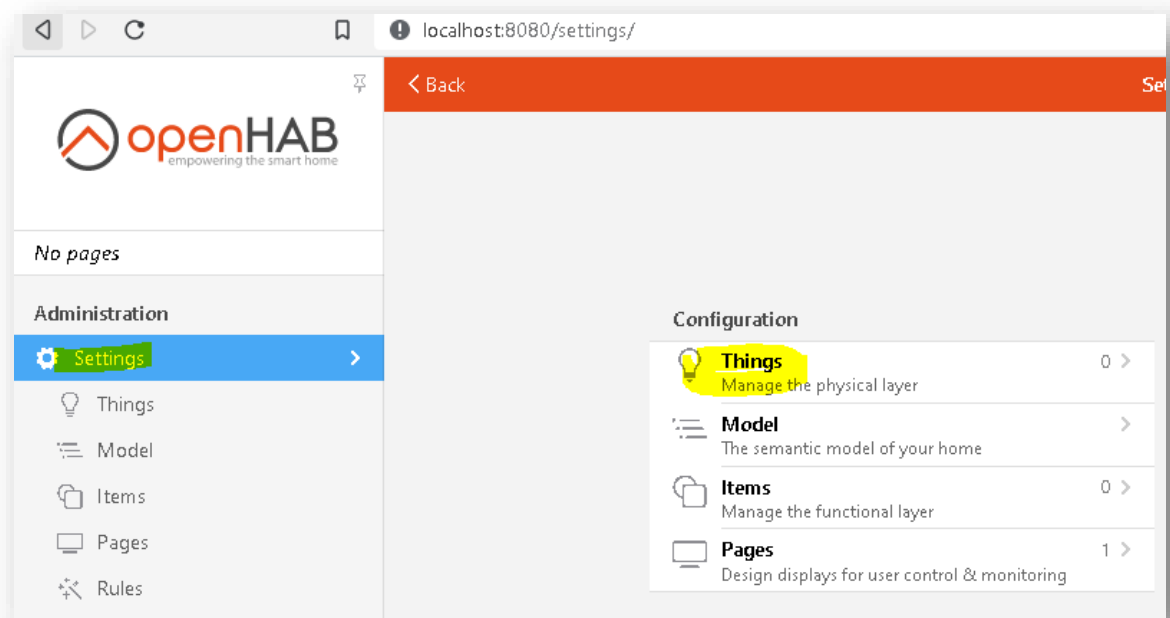


Step 8

Enabling DHT Sensor

On the same OpenHAB main page continue with the following steps

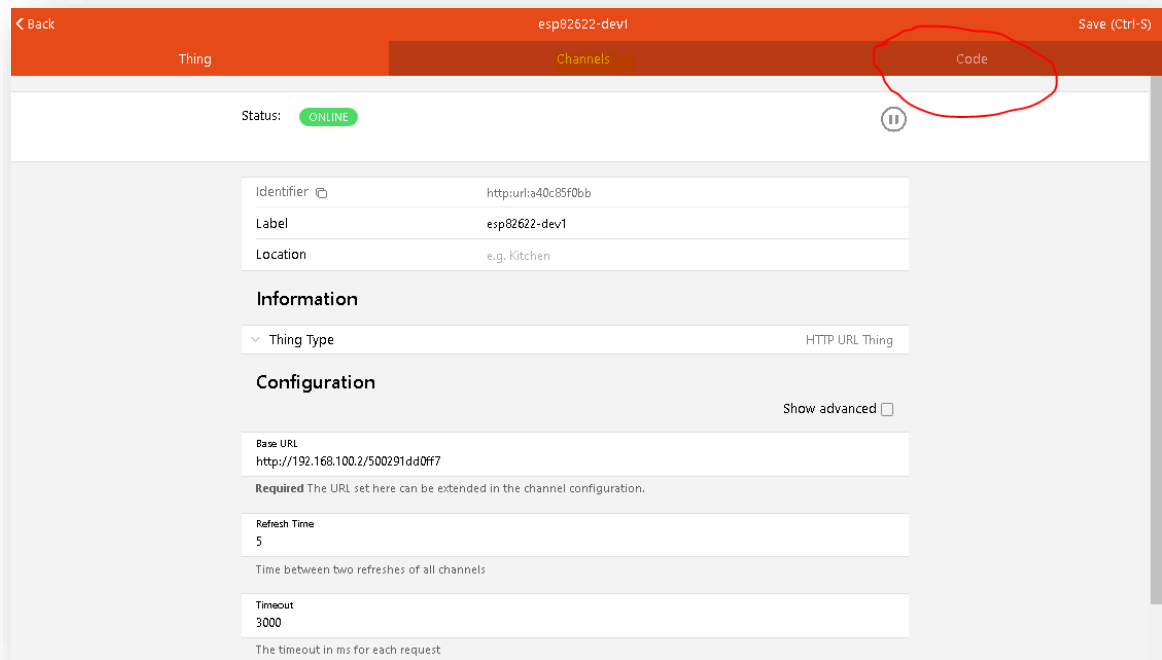
Click **Settings** > and **Things**



Click the newly added ESP device



Click the “Code” tab



This will display the editing window

< Back		esp82622-dev1
Thing		Channels
1	UID: http:url:a40c85f0bb	
2	label: esp82622-dev1	
3	thingTypeUID: http:url	
4	configuration:	
5	authMode: BASIC	
6	ignoreSSErrors: false	
7	baseUrl: http://192.168.100.2/500291dd0ff7	
8	delay: 0	
9	stateMethod: GET	
10	refresh: 5	
11	commandMethod: GET	
12	timeout: 3000	
13	bufferSize: 2048	
14	channels:	
15	- id: nu_pin14	
16	channelTypeUID: http:switch	
17	label: nu_pin14	
18	description: null	
19	configuration:	
20	onValue: "1"	
21	offValue: "0"	
22	stateExtension: /?req=stat&pin=14	
23	commandExtension: /?req=set&pin=14&mode=%2\$s	
24	stateTransformation: JSONPATH:\$.status	
25		
26		

Copy and paste below line of codes and add it at the end of the editing window

----- code -----

```
- id: nu-temp
  channelTypeUID: http:number
  label: nu-temp
  description: null
  configuration:
    mode: READONLY
    stateExtension: /?req=stat
    stateTransformation: JSONPATH:$.temp
- id: nu-hum
```

channelTypeUID: http:number
label: nu-hum
description: null
configuration:
 mode: READONLY
 stateExtension: /?req=stat
 stateTransformation: JSONPATH:\$.hum

----- code -----

[can't copy the code above?] Click this <[link](#)> to get the text format file

< Back

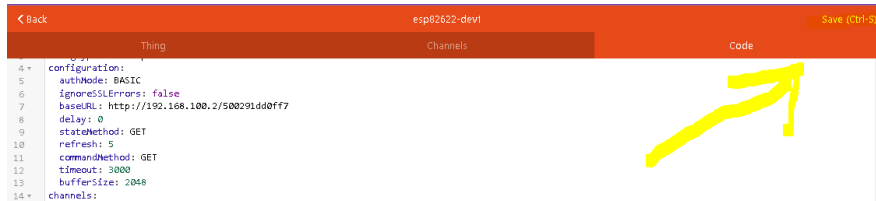
Thing

```
4 configuration:
5   authMode: BASIC
6   ignoreSSLErrors: false
7   baseUrl: http://192.168.100.2/500291dd0ff7
8   delay: 0
9   stateMethod: GET
10  refresh: 5
11  commandMethod: GET
12  timeout: 3000
13  bufferSize: 2048
14 channels:
15 - id: nu_pin14
16   channelTypeUID: http:switch
17   label: nu_pin14
18   description: null
19   configuration:
20     onValue: "1"
21     offValue: "0"
22     stateExtension: /?req=stat&pin=14
23     commandExtension: /?req=set&pin=14&mode=%2$s
24     stateTransformation: JSONPATH:$.status
25 - id: nu-temp
26   channelTypeUID: http:number
27   label: nu-temp
28   description: null
29   configuration:
30     mode: READONLY
31     stateExtension: /?req=stat
32     stateTransformation: JSONPATH:$.temp
33 - id: nu-hum
34   channelTypeUID: http:number
35   label: nu-hum
36   description: null
37   configuration:
38     mode: READONLY
39     stateExtension: /?req=stat
40     stateTransformation: JSONPATH:$.hum
```

Warning! Make sure of that all id are on the same line, on the source code this is very important otherwise this will throw an error

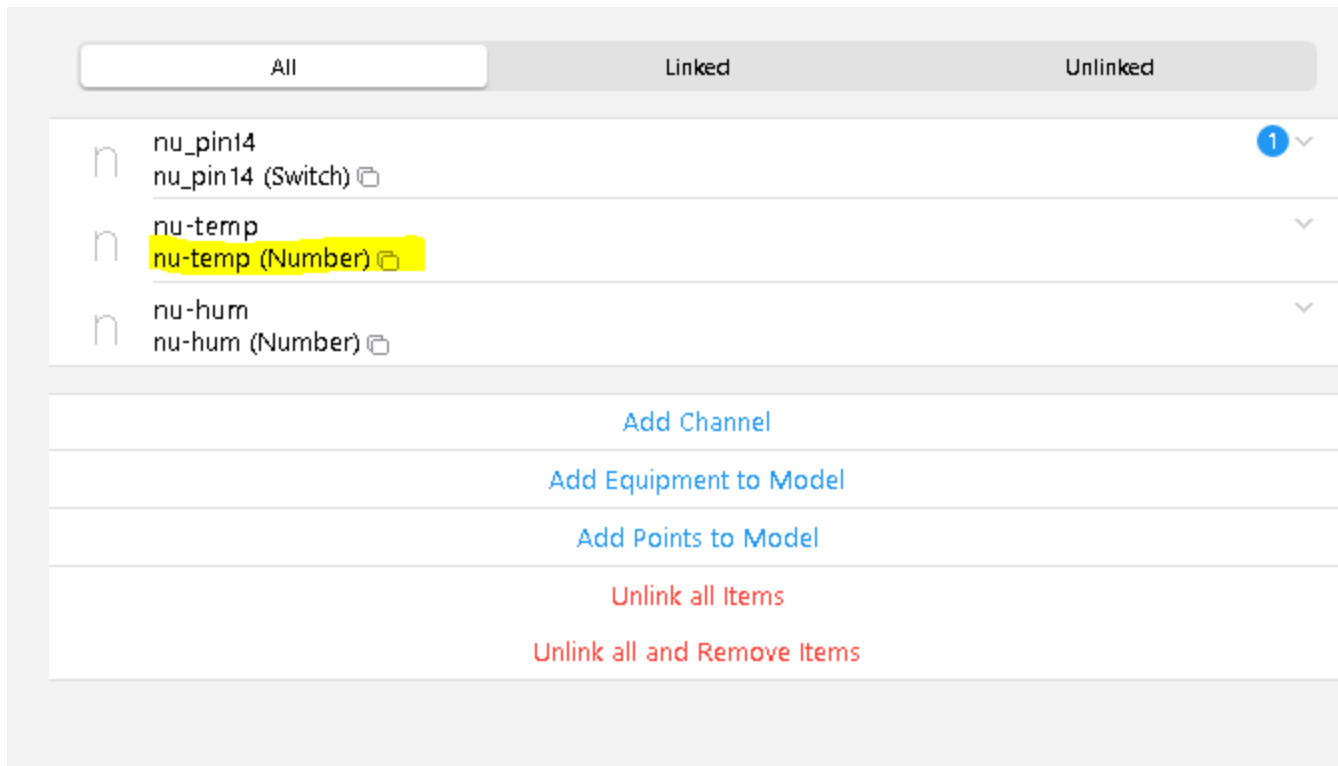
Once you confirmed you're done, then you can go ahead and save the changes

by clicking the button “Save (Ctrl+S)” on
The far upper right side

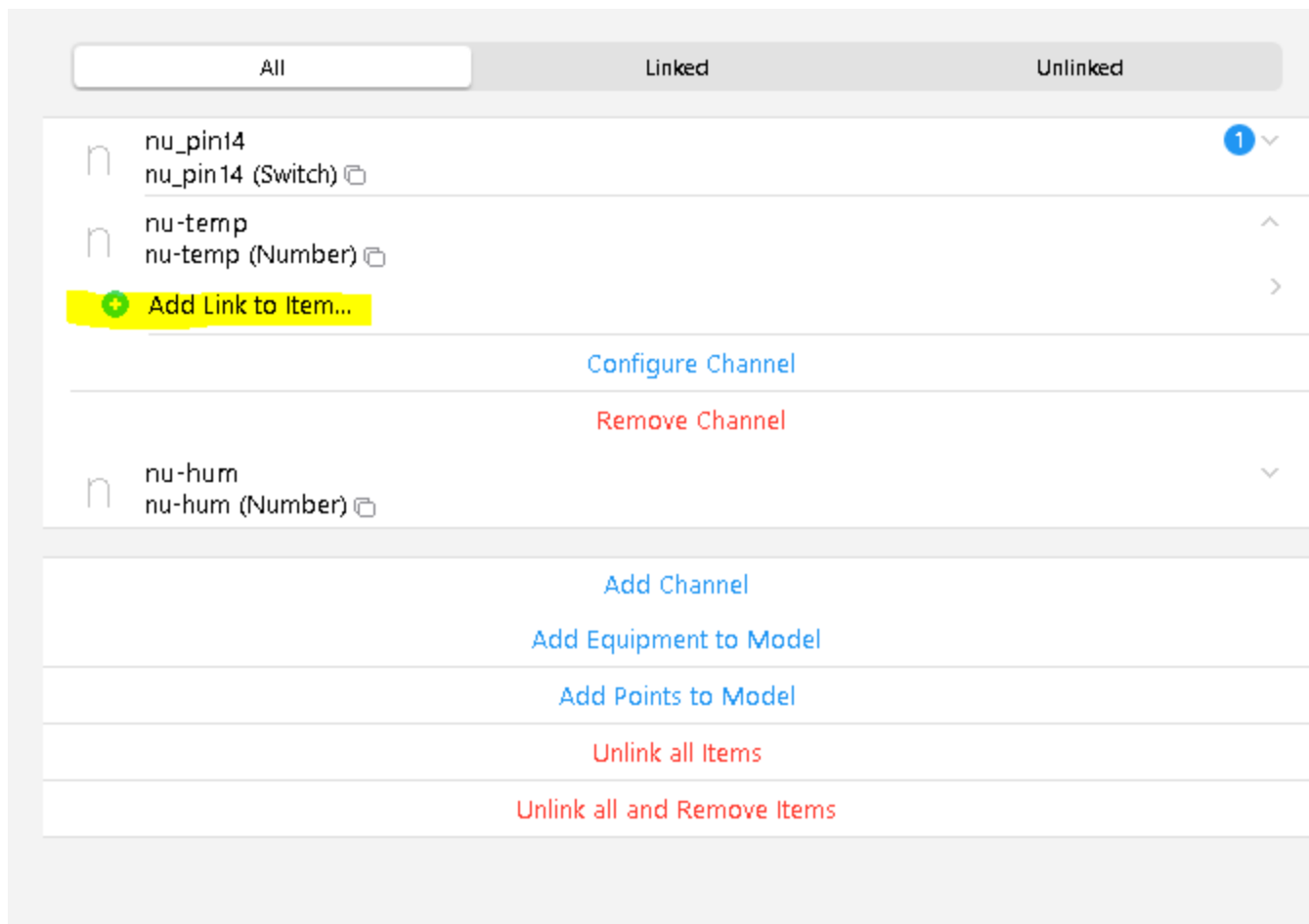


Now click the Tab “Channels” and click the newly created channel

To create a “Temperature Item” click the “nu-temp” channel



Click “Add Link to Item”



Select the “Create a new Item” and in the “Category” type temperature

Channel

nu-temp
http:url:a40c85f0bb:nu-temp (Number)

Item

☐ Use an existing Item

☒ Create a new Item

Name

esp82622dev1_nutemp

✕

Label

nu-temp

✕

Type

Number

>

Category

temperature

✕

Semantic Class

Point

>

Semantic Property

None

>

☰


Parent Group(s)

>


and click the **Link** button to finish

Link Channel to Item

Label	nu-temp	✕
Type	Number	>
Category	temperature	✕



Semantic Class	Point	>
Semantic Property	None	>

 Parent Group(s) >

Profile

Profiles define how Channels and Items work together. Install transformation add-ons to get additional profiles. [Learn more about profiles.](#)

☒ Default

☐ JSONPATH

☐ Follow

☐ Timestamp on Change

☐ Timestamp on Update

☐ Offset

☐ Hysteresis

☐ Range

Link

This completes the “Temperature Item” now we will create another item for “Humidity Item”

On the channels
Click the “nu-hum” channel and click the “Add Link to Item”

Channels

Code

Q Search channels

All

Linked

Unlinked

n

nu_pin14
nu_pin14 (Switch)

1 ▾

n

nu-temp
nu-temp (Number)

1 ▾

n

nu-hum
nu-hum (Number)

^

Add Link to Item...

>

Configure Channel

Remove Channel

Add Channel

Add Equipment to Model

Add Points to Model

Unlink all Items

Unlink all and Remove Items

Select the "Create a new Item" and in the "Category" type "humidity"


Link Channel to Item

Channel

nu-hum
http:url:a40c85f0bb:nu-hum (Number)

Item

☐ Use an existing Item
 ☒ Create a new Item

Name	esp82622dev1_nuhum	✕
Label	nu-hum	✕
Type		Number >
Category	humidity	✕
		
Semantic Class		Point >
Semantic Property		None >
Parent Group(s)		>

And to finish it click the “Link” button on the bottom page

To see the sensor data, you click the channel type and on below item, you will

See the values getting capture remotely from your sensor

Like for example below the DHT for humidity is giving 58.0%

Channels

Search channels

All

Linked

Unlinked

n

nu_pin14

nu_pin14 (Switch)

n


nu-temp

nu-temp (Number)

n

nu-hum


nu-hum (Number)



nu-hum

Number · Point

esp8262dev1_nuhum



Add Link to Item...

1

1

1

58.0

Configure Channel

Remove Channel

Add Channel

Add Equipment to Model

Add Points to Model

Unlink all Items

Unlink all and Remove Items

This completes STEP 8 (Step8 - Enabling DHT Sensor)

Congratulations!

Proceed to STEP 9 (next is to create a HABPanel Dashboard for your items)

End